

Your Life. Your Energy.

Manufactured
in Germany

All-In-One
Hybrid



SENEC.Home V3 hybrid

Award Winning German Solar Battery Technology



SENEC.Home V3 hybrid

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General Technical Data

| | | |
|---|--|---------|
| Dimensions | 1.175 mm (H) x 530 mm (W) x 406 mm (D) | |
| Total Weight | 80 kg | 115 kg |
| Battery Module Weight | 34.5 kg per battery module | |
| Compatible Grid Type | TN/TN-C/TN-S/TT systems | |
| Number of Phases | Single-phase power output (three-phase measurement/suitable for single- and three-phase connections) | |
| Operating Ambient Temperature | 5 °C – 40 °C (10 °C – 25 °C optimal) | |
| Relative Humidity | 10 % – 85 % (non-condensing) | |
| Storage Temperature | Case: -20 °C – 50 °C Battery Module: -10 °C – 40 °C by a relative humidity of 45 % – 85 % | |
| Ingress Protection | IP30 | |
| Backup Power Mode* (Automatic & Islanding) | 1,500 W | 3,000 W |
| Communication | Ethernet | |
| Interfaces | SENEC.App, Device Integrated Display and my.senec.com (user portal) | |

Performance Data

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|--|---|---------|
| Max. Hybrid Power** | 8,000 W | |
| Max. Power Output AC | 5,000 W | |
| Max. PV Input Voltage (DC) | 600 V | |
| Number of MPP Inputs | 2 | |
| Max. Efficiency | 97.4 % | |
| Max. PV input current DC (per MPP) | 20 A | |
| Max. PV short-circuit current DC (per MPP) | 23 A | |
| MPP Voltage Range | 75 – 600 V | |
| Battery Module Manufacturer | Samsung SDI | |
| Battery Technology | Lithium ion (NMC = lithium-nickel-manganese-cobalt-oxide) | |
| Low Voltage Battery (DC) | 44.8 V – 58.1 V | |
| Initial Usable Storage Capacity | 4.5 kWh | 9.0 kWh |
| Max. Charge Power (DC)*** | 1,500 W | 3,000 W |
| Max. Discharge Power (DC)*** | 2,000 W | 3,500 W |
| Max. Charge/Discharge Current (DC) | 31 A / 37,6 A per battery module | |

Warranty & Maintenance

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|----------------------|--|
| Product warranty**** | 10 year manufacturer's warranty 20 year extended warranty purchasable |
| Monitoring | Free via app for Android and iOS or via PC/laptop on my.senec.com |
| Remote maintenance | Automatic software updates & diagnosis |

Safety

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|-----------------------------|--|
| Deep Discharge Protection | By integrated BMS Automatic safety charge from grid |
| Over-Temperature Protection | Automatic Power Regulation |
| DC Over-Voltage Protection | Built in (SPD Type II) |

Certification & Standards

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|----------------|---|
| Battery Safety | UN 38.3 IEC 62619:2017 |
| Backup Power | IEC 62109-2:2012 |
| BESS | Grid codes: AS/NZS 4777.2:2015; IEC 62109-1:2010; IEC 62109-2:2011 Product safety: AS 62040-1-1:2003 (R2013), IEC 62040-1:2017; IEC 62477-1:2012 |

* The optional backup power mode is only available with the SENE.Backup Power pro bundle.
Extra costs for additional material and installation may apply.
** This is the max. amount of usable power at a time combining 5 kW max. AC power output and
3 kW max. DC charging power.
*** Power reduction possible due to temperature and charge level.
**** The warranty conditions can be viewed at senec.com.